

Outlook

The University of Maryland at College Park Faculty and Staff Weekly Newspaper • Volume 9 Number 16 • January 17, 1995

The Annapolis Connection

1995 Legislators Mold Maryland's Future

It's 1995—and a new chapter of Maryland history is being penned in Annapolis. Tomorrow, Parris Glendening will be sworn in as governor (President William E. Kirwan will have the honor of introducing the new governor prior to his inaugural address) and new legislators are beginning to convene. How will the University of Maryland be affected? Campus officials concur there are no easy answers.

Kirwan's assistant for legislative affairs, Brian Darmody, says, "This is an interesting year for a variety of reasons. One, there was a substantial amount of turnover in the general assembly. And two, we have a new governor coming in who will be appointing new people, although he did announce some hold-overs from the Schaefer administration."

According to Darmody, the key for the university will not lie with the new general assembly, but with new people



in the executive branch. "The executive branch is incredibly important to higher education in the sense that it's the branch that looks at the budget in the general assembly."

The general assembly will hold a

series of hearings on both the house and the senate sides, then the legislators and their analysts will review the budget and raise questions once it is introduced, Darmody explains.

This year will be somewhat different because the outgoing governor has prepared a budget but the incoming governor has the ability to reshape that budget. "So the issues are a little hard to tell or anticipate because the budget hasn't been introduced and it's usually through the budget process that issues come up," Darmody adds.

The campus itself has both capital and operating budgets. In the capital budget, according to Darmody, the most obvious project is the first phase of construction funding for the Maryland Center for the Performing Arts. Although this is going to be a very large project, it's essentially displaced

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Banneker Case Heads to Supreme Court

The fate of the Benjamin Banneker Scholarship Program now rests in the hands of the Supreme Court. On Dec. 30, the 4th U.S. Circuit Court of Appeals refused to reconsider its earlier decision prohibiting the university from maintaining the 16-year-old program of scholarships for black students.

The full court voted 8 to 3 not to rehear the case. The university has 90 days—until the end of March—to appeal to the Supreme Court.

President William E. Kirwan says the university fully intends to appeal.

Once the university's appeal reaches the Supreme Court, the justices have the option of either hearing the case or turning it aside. If the court chooses to review the case, a final ruling would not be made until later this year at the earliest.

In October, a three-member panel of judges from the circuit court unanimously ruled that while racism still exists on college campuses, the university failed to narrowly tailor its Banneker Scholarship Program to correct the present effects of past discrimination.

Since that ruling, individuals, organizations, universities and the media all have shared the message that the race-based scholarship program is important and effective for recruiting, maintaining and graduating African-American students.

Public colleges and universities across the nation with race-based scholarship programs will be duly effected by the outcome of the case.

Daniel Podberesky, a Hispanic student, filed a suit four years ago claiming that the Banneker program gave preferential treatment to blacks at the expense of other students.

The university is exploring options for continuing to award the race-based scholarships until a final ruling is made. Current Banneker scholars are exempt from the ruling.

New Paint Branch Parkway Opens

Soon to become the road most travelled, the long-awaited Paint Branch Parkway is ready for commuters. While construction officials could not confirm an actual date, they did indicate that the road running through the east side of campus, from Route 1 to Kenilworth Avenue, is slated to open by the time *Outlook* goes to press.

More than a year has passed since the roadblocks were placed at the tip of the road opposite the North Gate Entrance. Since that time, the county, city and Washington Metropolitan Area Transit Authority have been working to

pave the way from campus to Kenilworth, including a portion which runs underneath the College Park Metro tracks.

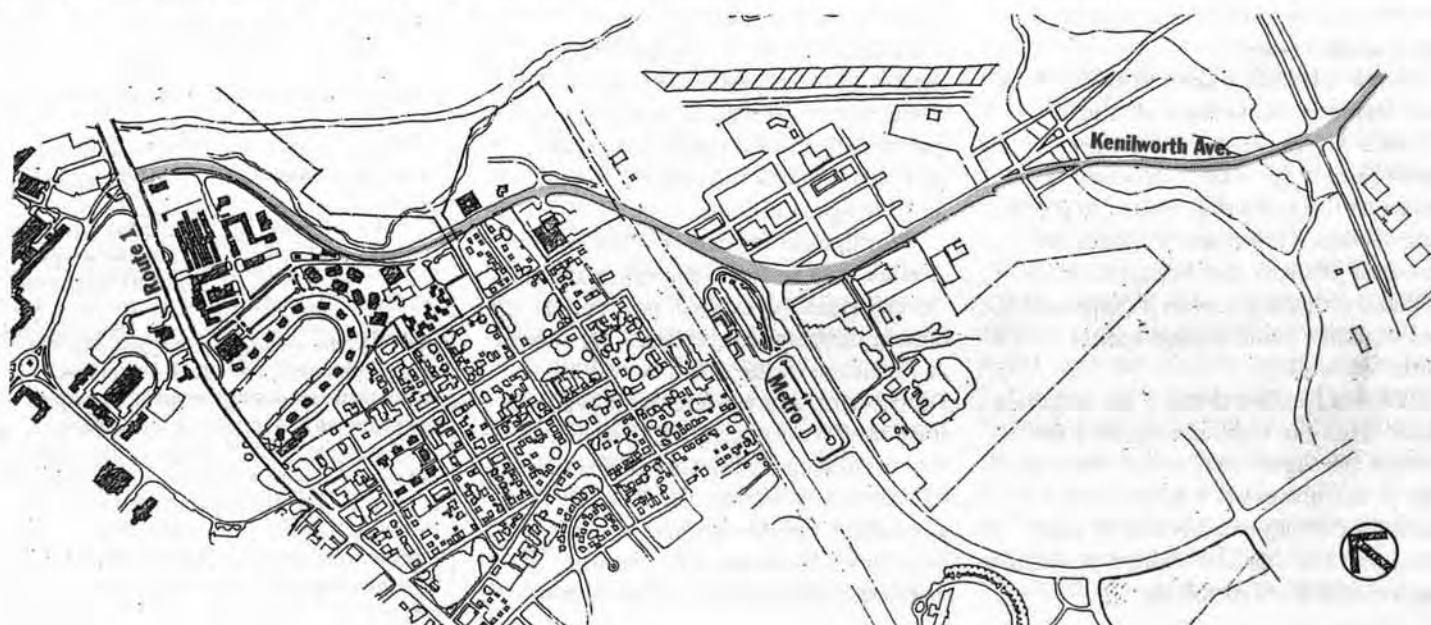
"The first stretch of road has been done since October," says Carlo Colella, acting assistant director of construction management, engineering and architectural services. "The university gave the county the right-of-way to put a road in through campus." Ultimately, says Colella, there will be a transfer of road from the county to the university.

Initially, not all will be smooth traveling. According to Samuel Lawrence,

assistant vice president for administrative affairs, leaving the greenhouses, Maryland Fire and Rescue Institute or the Physical Distribution Center to head back toward Route 1 will require traveling eastbound and making a U-turn.

Lawrence says Paint Branch Parkway will connect with 50th Street and also Calvert Street.

No doubt the new thoroughfare will be a boon to metro commuters and others traveling from the Kenilworth Avenue area. There is no word yet on how the new route will affect shuttle bus transportation.



The road highlighted on the map at left is the new Paint Branch Parkway, which stretches from Route 1, across from the North Gate entrance, to Kenilworth Avenue. The long-awaited parkway travels underneath the College Park Metro station, providing an uninterrupted thoroughway.

End quote

Who or what on television annoys you the most?



"Personally, I would have to say Katie Couric. She seems to lack sincerity, obviously so. I've never liked her."
—Mike Colson, student affairs coordinator,
College Park Scholars

"Newt Gingrich right now. Of course it changes from time to time. I think he's obnoxious."

—Karl Kuegle, research associate,
19th Century Music



"Newt Gingrich. He talks a lot of talk, he seems very arrogant. It doesn't seem like he's very responsive to the people's needs. He claims that he is, but he just seems really arrogant and really power-hungry. I really don't see him as doing any better than anyone else in his position before."

—Tony Davidson, graduate student,
Office of Graduate Minority Education

"The talk shows. They're getting wilder and more far-out and they're just plain dumb. I put them in a category with the tabloids that you see in the shopping center. They're just working for ratings and they aren't doing quality T.V. They're just doing stuff to feed the masses."

—Sandra German, automation specialist,
Center for Automation Research



"It's a tie between the home shoppers network and all daytime television running between the hours of 9 [a.m.] and 4 [p.m.]. Especially during the holiday break. It's enough to scare anyone back to work."

—Teresa Flannery, associate director, marketing and
research, Undergraduate Admissions

"Being a mother, 'Power Rangers.' I hate that show. It's so fake. With the modern technology the way it is, they could make T.V. shows a lot better. The kids love it. I hate it. It's worse than the old 'Bat Man.'"

—Patty Custer, secretary, Institute of
Physical Science and Technology



UMCP Wins Defense Awards

Researchers in high power microwaves and computer vision have won two highly sought-after five-year awards worth a total of \$10 million from the Department of Defense (DoD). The awards are part of the multidisciplinary research program of the DoD's University Research Initiative (URI).

The URI supports research teams whose efforts intersect more than one traditional science and engineering discipline. Only MIT won more of the 22 DoD awards.

Victor Granatstein, director of the Laboratory for Plasma Research won one award to study compact, high-energy microwave sources. Granatstein's research will involve scientists from the departments of physics, electrical engineering, mathematics and materials and nuclear engineering. Their work will focus on three broad areas: experimental investigations of plasma-filled microwave sources, experimental investigations of high harmonic operation of advanced-design gyrotron oscillators and amplifiers, and theory and modeling of advanced high-energy microwave sources.

The second award, in the field of automated vision/sensing systems, was made to Aziel Rosenfeld, director of the Center for Automation Research. The project will involve faculty members from the departments of computer science and electrical engineering. Rosenfeld's research will examine appearance-based vision for complex environments and will emphasize integrated treatment of objects and backgrounds in images.

Richard Herman, dean of the College of Computer, Mathematical, and Physical Sciences, says the awards reflect a new spirit of collaboration between the academic, public and private sectors. "These are the kinds of research projects that bring the academic and industrial research communities together while strengthening both," he says.

William Destler, dean of the A. James Clark School of Engineering, says the awards are significant in that "they recognize the university's ability to put together distinguished teams of engineers and scientists to address challenging technological problems."

Noted Scientist Cyril Ponnampерuma Dies at 71

Cyril Ponnampерuma, professor emeritus in the department of chemistry and biochemistry, died suddenly on Dec. 20, at age 71, when he suffered cardiac arrest. The renowned scientist, who gained notoriety for his investigations into the origins of life, had been a member of the faculty since 1971.

Ponnampерuma is survived by his wife and daughter.

Ponnampерuma, who retired from teaching this fall, was recognized as a "leading authority on the origins of life," in a Sri Lankan radio address by noted scientist and author Arthur Clark ("2001: A Space Odyssey," and "2010: Odyssey Two") on Dec. 22.

"The untimely death of Dr. Cyril Ponnampерuma is a great blow to the whole world," Clark said. "I would like to send my deepest sympathy to Cyril's family, and to let them know that hundreds of people of many nations—by no means all of them scientists—will miss his warm and compassionate personality."

Ponnampерuma had written more than 400 publications on chemical evolution and the origins of life. This past October he was named by Pope John Paul II to the Pontifical Academy of Sciences, a prestigious body of international scientists. In 1980 the International Society for the Study of the Origin of Life awarded him the first A.I. Oparin Gold Medal for the "best sustained program" on the origin of life.

Upon his arrival at Maryland 23 years ago, Ponnampерuma founded the Laboratory of Chemical Evolution and served as its director until his death. Recently, he also had been named to head the university's new North-South Center for Sustainable Development to study and support the development of third-world countries. He was named distinguished professor by the university in 1978.

After his early education in Sri Lanka and India, Ponnampерuma in 1959 earned his B.S. (honors) degree in chemistry at Birkbeck College, University of London, where he studied with J.D. Bernal, a pioneer in the field of origin of life. Then in 1962 he received his Ph.D. in chemistry from the University of California, Berkeley, under the direction of Nobel Laureate Melvin Calvin.

In 1962 he was awarded a National Academy of Sciences Resident Associateship with NASA's Ames Research Center, and in 1963 joined NASA's Exobiology Division, becoming chief of the Chemical Evolution Branch. When NASA established the Apollo space exploration program, Ponnampерuma was chosen as principal investigator for organic analysis, and also worked on both the Viking and Voyager programs.

Throughout his career, Ponnampерuma was active in the international development of science, particularly among developing countries. He served as president of the Third World Foundation, and was elected a fellow of the Third World Academy of Sciences, where he chaired the Global Frontiers of Science Committee. In 1992 he was appointed director general of the Academy's Network of Centers of Science, a coordinating effort of 20



Cyril Ponnampерuma

international centers of sustainable development.

In 1984, Ponnampерuma was appointed science and technology adviser to the president of Sri Lanka, and served as chairman of that country's National Science Policy Planning Commission from 1985 to 1987. In 1990 he was awarded the "Vidya Jothi" (Luminary of Science) medal for his services to science and to Sri Lanka.

Ponnampерuma's contributions to science have been recognized by other nations in recent years. In 1991 the government of France conferred on him the title of "Chevalier de Lettres et des Artes" for promoting international understanding. In 1993 the Russian Academy of Creative Arts awarded him the first Harold Urey Prize in recognition of his outstanding contributions to the study of the origin of life.

The University of Maryland celebrated his international accomplishments by awarding him its first Distinguished International Service Award in 1991.

A campus memorial service currently is being planned with details to follow. The family asks that no flowers or contributions be sent.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Outlook

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Lawmakers Convene

University of Maryland at College Park Fiscal Year 1996 Request Budget Campus Summary

	FY 1995 Appropriation	FY 1996 Request	Change from FY 95 Appr	Percent Change
FTE Positions	\$6,335.44	\$6,473.19	\$137.75	2.17%
Salaries/Wages	415,945,132	427,529,054	11,583,922	2.78%
Technical/Spec. Fees	1,427,388	1,416,747	10,641	0.75%
Operating Expenses	270,579,686	265,757,637	4,822,049	1.78%
Total Expenditures	687,952,206	694,703,438	6,751,232	0.98%
Current Unrestricted	545,615,729	544,963,942	651,787	0.12%
Current Restricted	142,336,477	149,739,496	7,403,019	5.2%
Total Revenues	687,952,206	694,703,438	6,751,232	0.98%

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all other capital projects, he explains. "When you look at the size—it's about a \$100 million project—approximately \$10 million is coming from the county.

"That sounds like a big number. But when you look at the fact that we typically get \$40 million a year in capital appropriations and this is going to be funded over two years, it's not a whole lot different than any other capital appropriation we would be getting." The difference is that it will be aggregated into one building, Darmody adds.

Because of the way the budget is built, he says, the university has submitted a number of requests which go from this institution to the University of Maryland System Board of Regents. Those requests then get transmitted to the governor.

According to figures released by Tom Vogler, director of budget and fiscal analysis, the university is requesting a total of \$694,703,438 for fiscal year 1996, an increase of \$6,751,232 from the 1995 appropriation.

This includes inflationary adjustments such as classified increments, fringe benefits, insurance and a 1.25 percent merit increase for non-classified employees. Also included are adjustments in financial aid/remissions, the college work-study program and worker's compensation.

Darmody says more requests are usually made than can be accommodated. "You have to fit all this in the context of the overall state budget. And higher education as a percentage of the state

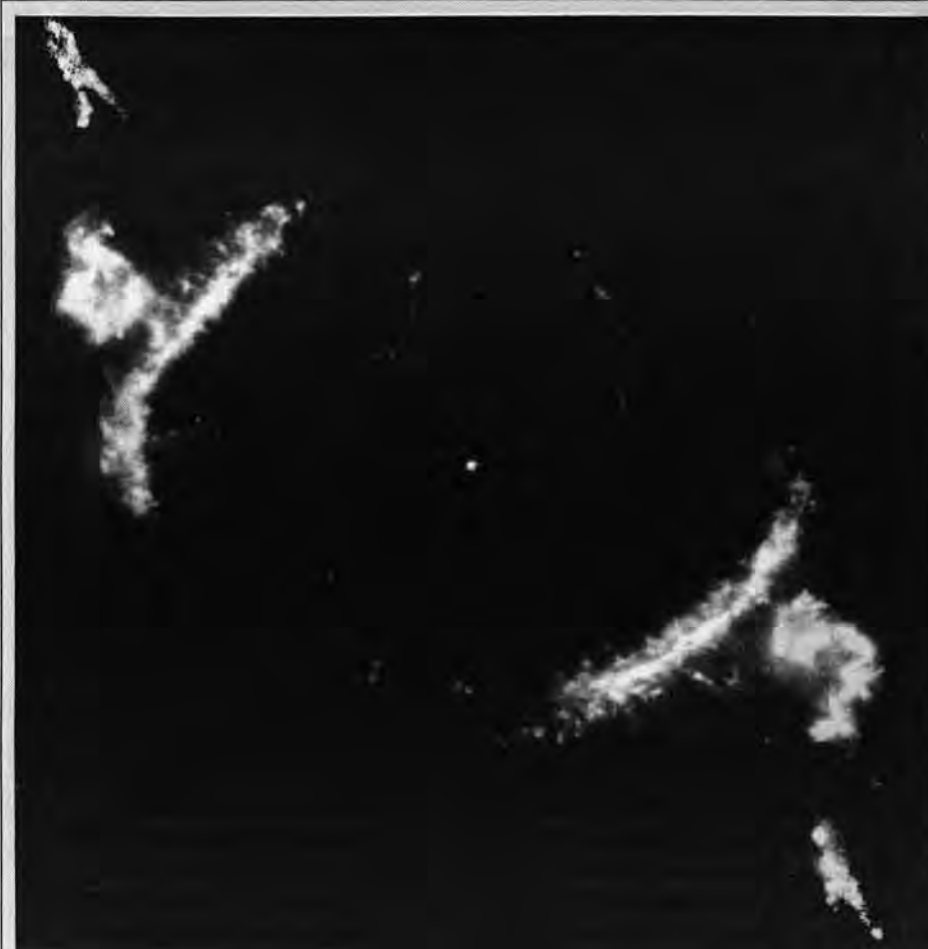
budget has been declining in recent years. The state budget is only so big, Medicare funding has been increasing and public safety and corrections spending has been increasing. There's only so many places it can be reduced."

Beyond budgetary considerations, Darmody says, the general assembly will be examining faculty productivity. "My sense is there will be some wait and see how the [university's] policy works and whether that satisfies the general assembly," he says. "If we did nothing but teaching we would be OK, and if we did nothing but research that would presumably be OK, because the pressure seems to be on national research universities where teaching, research and service are combined."

Reducing government has been a hot issue nationwide. Will it hit close to home? "It's hard to predict," Darmody says, "because we have a new governor and a lot of new delegates and senators. We have legislators who have read the elections nationally, and my sense is that there's going to be some sense of reducing government."

That's something the Glendening administration have indicated they will be looking at—reforming and reorganizing state government—Darmody adds. "The question is, are we part of government, and the answer is yes, although one of our challenges is trying to say we're a special part of government. We're a higher education institution first and a part of government second."

—JANET CHISMAR



University astronomers presented this Hubble image of the "Cat's Eye Nebula," a preview of the possible eventual fate of Earth's sun, at a recent meeting of the American Astronomical Society. The nebula is in the last stages of its life after an explosion about 1,000 years ago blew away the outer gas layers of the star.

Hubble Probes the History of a Dying Star

NASA Hubble Space Telescope images presented at the 185th meeting of the American Astronomical Society in Tucson, Ariz., last week provide a chilling preview of the possible eventual fate of Earth's sun.

Presented by university astronomers J. Patrick Harrington and Kazimierz Borkowski, the images reveal one of the most complex planetary nebulae ever seen, NGC 6543. Estimated to be 1,000 years old and located 3,000 light-years away in the northern constellation Draco, NGC 6543 is a visual "fossil record" of the dynamics and late evolution of a dying star.

The Hubble images show surprising intricate structures of the nebula, nicknamed the "Cat's Eye Nebula," including concentric gas shells, jets of high-speed gas and unusual shock-induced knots of gas. A preliminary interpretation suggests that the star might be a double-star system.

The dynamic effects of two stars orbiting one another most easily explains the intricate structures, which are much more complicated than features seen in most planetary nebulae.

According to this model, a fast "stellar wind" of gas blown off the central star created the elongated shell of dense, glowing gas. This structure is embedded inside two larger lobes of gas blown off the star earlier. These lobes are "pinched" by a ring of denser gas.

The suspected companion star also might be responsible for a pair of high-speed jets of gas that lie at right angles to this equatorial ring. If the companion were pulling in material from a neighboring star, jets escaping along the companion's rotation axis could be produced.

These jets would explain several puzzling features along the periphery of the gas lobes. The jets compress gas ahead of them, creating the "curlicue" features and bright arcs near the outer edge of the lobes. The twin jets are now pointing in different directions than these features. This suggests the jets are wobbling and turning on and off episodically.

Faculty and Students Serve on Glendening's Transition Teams

"The future of Maryland rests with our children," says Gov.-elect Parris Glendening. "From pre-school to Ph.D., we have an inviolable obligation to offer the best possible public education."

With that statement, 68 members of Glendening's education policy transition committee set to work preparing a report for the new governor. Their key challenge: to address the central question, "How can we use the evolving assessment and accountability process, as well as other innovative tools, to create the nation's best educational system?"

Helping prepare that report were transition committee members President William E. Kirwan, two students and three faculty members from

the University of Maryland. Student members included Kevin Lawrence and Bill Keimig, of the department of government and politics. Faculty participants included Charles Christian, associate professor of geography; Carmen Gonzalez-Roman, instructor in the department of Spanish and Portuguese; and Lois Vietri, instructor in the department of government and politics.

According to Christian, who served on the higher education subcommittee, "Nobody knows how they were chosen for the committee or who did the choosing," but he was pleased to serve. "I thought I'd jump in and do what I could."

According to Christian, the transition

committee dealt with four issues: governance, technology, funding, access and diversity. Weekly meetings to address the issues began last Dec. 10 and a final report was turned in to the Executive Transition Committee Jan. 10.

Vietri describes her service on the education transition committee as an exciting opportunity. "One of the great things about any political involvement is the great people you meet," she says.

"It was both surprising and gratifying to look around the [higher education] group and realize that among the three dozen members we were the only faculty," says Vietri. "The rest were college presidents and association leaders."

Christian concurs with Vietri about

the mix of members. "Surely some of the best minds were there—a whole range of education providers," he says. Given the broad range of individuals on the committee, says Christian, there was extensive debate, discussion and lobbying. "But they were all necessary to provide the governor with thought-provoking report and a plan."

In addition to the education transition team, there were faculty serving on other policy committees. Charles Wellford, professor and director of the department of criminal justice and criminology, served on the transition team for public safety. And Mahlon Straszheim, professor and chair of the

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Exhibition to Feature Rare Chinese Ceramics



Musicians on Horseback, late Sui-early Tang, early 7th century

Almost 100 pieces of Chinese ceramics dating from approximately 200 B.C. through the Qing dynasty (early 20th century) will be on display at the Art Gallery Jan. 18 through March 9. An opening reception will be held tomorrow from 5:30 to 7:30 p.m.

The ceramic treasures were loaned to the university by the family of the late Helen Dalling Ling, an internationally known collector of art from China and southeast Asia.

Highlighting the exhibition are a Ming dynasty bowl with a private kiln inscription, a rare Purple Ding incense burner, a pair of elegant month cups and examples of famous blue and white porcelain from Jingdezhen.

Other objects include early proto-porcelain jars, teacups and bowls; painted and three-color Tang figures; miniatures and bird feeders. Many of the pieces have custom-made, silk-covered boxes and stands of carved wood.

Ling, who was born in Ohio and raised in

Pennsylvania, began collecting ceramics when she moved to China in 1928. In the following five decades, which included 22 years in China and 30 in Singapore, she became a respected dealer and collector. Many of these pieces were acquired by the Freer Gallery in Washington, D.C.

A scholarly catalogue which illustrates the ceramics was created to accompany the exhibition. Edited by Jason Kuo, associate professor of art, it includes an essay by doctoral student Martha Ann Bari who wrote her master's thesis on Ling and an introduction to the collection by Fan Dongqing, associate professor at the Shanghai Museum.



Vase, Late Ming-early Qing - 17th century

As part of the exhibit's opening, a slide lecture on the Madame Butterfly Icon will be given by Amy Ling, director of Asian-American studies at the University of Wisconsin-Madison, on Thursday, Jan. 19 at 4 p.m., in Room 2203 of the Art-Sociology Building.

For more information, call the Art Gallery at 405-2763.

What a Difference a Decade Makes

"The official school symbol of the University of Maryland is a large, sluggish freshwater turtle called a terrapin. Many students and observers of the College Park campus feel the emblem is most appropriate. UM, after all, is large—with a student body of over 37,000, it is one of the ten largest universities in the United States—and its progress into the modern age has certainly been slow and awkward..."

—Opening paragraph of the 1984-85 *Insider's Guide to the Colleges profile of the university*

"The University of Maryland's 24,000 undergraduates are a talented and diverse bunch who realize that their university's star is rising in the competitive field of higher education. Most Maryland students are full of praise for their school and confident it will help them reach their many and varied goals. A close look at this dynamic campus will reveal why..."

—Opening paragraph of the 1995 *Insider's Guide to the Colleges profile of the university*

Calendar Jan. 17-25

Arts

Art Exhibition Opening: Wed., Jan. 18, "The Helen D. Ling Collection of Chinese Ceramics," 5:30-7:30 p.m., The Art Gallery, Art/Sociology, 5-2763.

Art Exhibition: Wed., Jan. 18 through Thu., Mar. 9, "The Helen D. Ling Collection of Chinese Ceramics," The Art Gallery, Art/Sociology. Exhibition hours: Mon.-Fri., noon-4 p.m.; Weds. until 9 p.m.; Sats. and Suns., 1-5 p.m. 5-2763.

The Concert Society at Maryland Olde Musicke Series: Sat., Jan. 21, Kim Heindel-lautenwerk/harpsichord, 8 p.m., Tawes Recital Hall, \$19, students \$9. 403-4240. Free pre-concert seminar 6:30 p.m.

Artist Scholarship Benefit Series: Sun., Jan. 22, "Two Journeys in Song," James McDonald-tenor, accompanied by Ruth Ann McDonald, 3 p.m., Ulrich Recital Hall, \$16, senior citizens \$12, students \$10. 5-1150.

Monday Night Music Series: Mon., Jan. 23, Organ selections from Bach, Mendelssohn, and Vierne, Julie Vidrick Brown, 7:15 p.m., Memorial Chapel. 4-9866.

Student Honors Recital: Tue., Jan. 24, 8 p.m., Ulrich Recital Hall. Talented graduate and undergraduate music students from piano, voice, string and wind/percussions divisions perform. 5-5548.

Lectures

Department of Astronomy Colloquium: Wed., Jan. 18, "Too Much Neutral Carbon in Molecular Clouds: What's Wrong with Interstellar Chemistry?" Taoling Xie, 4 p.m., Room 1113, Computer and Space Sciences Building. Colloquium is preceded by coffee and an informal reception in Room 0254 5-1508.

Exhibition Lecture: Thu., Jan. 19, "Slide Lecture on the Madame Butterfly Icon," Amy Ling, director, Asian-American Studies

Program, University of Wisconsin-Madison, 4 p.m., Art Gallery, Art/Sociology. 5-2763.

Miscellaneous

First Day of Classes—Spring Semester 1995: Wed., Jan. 18. Contact Paul Ferrick, Academic Affairs, with questions. 5-5252.

National Archives Film Series: Wed., Jan. 18, "Freedom on My Mind," 10:30 a.m., combines archival film footage and on-camera interviews to recount the events of the "Freedom Summer" of 1964 and the efforts of the Student Nonviolent Coordinating Committee to register blacks in Mississippi to vote. (110 minutes), National Archives at College Park Auditorium. (202) 501-5000.

National Archives Film Series: Wed., Jan. 25, "At the River I Stand," 10:30 a.m., reconstructs the two months in 1968 that preceded Martin Luther King Jr.'s death. The film shows how Memphis's black community rallied behind a strike by 1,300 sanitation workers for a living wage. (56 minutes). National Archives at College Park Auditorium. (202) 501-5000.

Sports

Women's Basketball: Wed., Jan. 25, vs. University of Virginia, 7:30 pm, Cole Field House. Students free, faculty/staff half-off. 4-7070.

Calendar Guide

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405- respectively. Events are free and open to the public unless noted by an asterisk (*). For more information, call 405-4628.

Listings highlighted in color have been designated as Diversity Year events by the Diversity Initiative Committee.

Flagship Channel's New Program Schedule Rings in New Year

A new year means exciting new programming on the Flagship Channel.

Channels 59/12 in Montgomery County and 32A and 30 B in Prince George's County feature the return of the Gary Williams Show, health news reports, and new episodes of the popular Andy Wolvin talk show about life in College Park. Live coverage of Maryland Women's Basketball also continues in January.

Get behind-the-scenes reports on Maryland Terrapins basketball from coach Gary Williams. Stay in touch with Maryland's nationally-ranked basketball program with the Gary Williams Show every Friday evening at 7 p.m., Saturday afternoons at 3 p.m. and Sunday afternoons at 5 p.m.

Two new episodes of the Andy Wolvin show premiere later this month. Wolvin's program airs Friday evenings at 3 p.m., Saturday mornings at 11 and Sunday evenings at 6.

Wolvin discusses the important and very current topic of sexual harassment in the workplace with human relations officer Vicky Foxworth on Jan. 20, 21 and 22.

The "psychology of retirement" is the topic of Wolvin's program Jan. 27, 28 and 29, when he's joined by psychology professor Bruce Fretz.

Also during January, The Flagship Channel begins airing health news programs produced by the University of Maryland Medical Center. These five-minute programs, aired at various times during the month, bring viewers the latest information about specific health topics, letting them know the latest in diagnosing, treating or preventing medical problems.

January's shows deal with topics such as breast cancer options, early detection of prostate cancer, living kidney donor transplants, prevention of stroke, stroke is an emergency and surgery for seizures.

WBAL health reporter Ellen Beth Levitt interviews physicians who are specialists in the latest research, as well as people dealing with specific health problems.

The Flagship Channel, serving cable viewers in Montgomery and Prince George's counties, is a service of the University of Maryland.

Lute and Harpsichord Combine for Rare Music

A kind of keyboard instrument lost since the 18th century—and only recently reconstructed by scholars and instrument builders—will be heard for the first time in the Washington area when Kim Heindel performs at the Ulrich Recital Hall on Saturday, Jan. 21, at 8 p.m., preceded by a free seminar at 6:30 p.m.

The instrument, the lute-harpsichord (or Lautenwerk) was an ingenious hybrid of the lute and the harpsichord, intended to combine the resonant, expressive sound of the lute with the mechanical versatility of the keyboard. First built in the 16th century, such instruments were owned by Henry VIII and Johann Sebastian Bach, who had one built to his own specifications and owned one or two others.

Kim Heindel made the recording debut for the lute-harpsichord with his recent release on the Gasparo label, *The Art of the Lautenwerk*. In the recording, says *Early Music Magazine*, "Heindel proves a persuasive advocate for Lautenwerk's ability to combine the gut-strung lute's gentleness and beauty of tone with the keyboard's facility." For the *American Record Guide*, the recording "reveals a richer and much more singing tone than the lute stop of any harpsichord."

Much debate surrounds the music played on the lute-harpsichord. Dispute focuses especially on those works of Bach long thought to have been written for lute. Some of the music is suspiciously cumbersome on lute but ideally suited for a keyboard such as the lute-

harpsichord. English lutenist and musicologist Nigel North has recently written his opinion that almost all of Bach's so-called lute pieces were, in fact, written for the lute-harpsichord. Heindel's recording of those works on lute-harpsichord will be released in 1995 on the Dorian/Discovery label.

German writers in Bach's time claimed that the lute-harpsichord so convincingly mimicked the sound of a lute that "one could almost deceive a professional lutenist" and that it sounded "as strong as three lutes together" and produced a "harmony beyond comparison."

Except for descriptions of the lute-harpsichord from the Baroque period, none of the instruments and no pictorial representation has been discovered. Surviving descriptions and specifications have been used to reconstruct the instrument in the 20th century.

The first modern performances took place in Germany in 1932, featuring, among other works, an arrangement of Bach's E-minor Suite for lute-harpsichord by Hindemith. This instrument was destroyed by fire during World War II, and another was not built until the 1960s.

On Jan. 21, Heindel will perform on an instrument made by the first (and still only) lute-harpsichord builder in the United States, Willard Martin, who used the specifications provided by J.S. Bach for his own lute-harpsichord.

For phone-charge and ticket information, call the Concert Society at 403-4240.



The *lautenwerk* (lute-harpsichord) will be heard for the first time in the Washington area when Kim Heindel performs at Ulrich Hall on Saturday, Jan. 21 at 8 p.m.

A Family of Firefighters Train at New College Park Station

Imagine being a student and having to share a bathroom with 12 other guys. Fortunately for Private Kevin Holdredge, a senior criminal justice major from Princeton, N.J., the opening of the new firehouse, on 8115 Baltimore Ave., makes the aforementioned bathroom burden a distant memory.

The old station, which was located next to fraternity row, housed just 14 students, two of whom were female, and was lacking in numerous ways. One dilemma for students who lived there over the summer centered around the two-week closing of the steam generator in mid-June.

"We had to go to another station to take a shower with hot water," Holdredge says. "In the new station, everything works."

Holdredge is one of 24 students that work as volunteer firefighters at the College Park station in exchange for free room and board.

"I volunteered at home (Woodbridge, Va.) in high school and had intended to when I came here," says freshman fire engineering major Amy McGarry. "When I heard they would pay my room and board, I said sign me up!"

While a decrease in living expenses may attract students to the facility, Chief Paul Cimino is quick to point out that the students work hard for their housing.

"We don't provide a free room here. It's an exchange," Cimino says. "The 24 people who live here trade [the cost of] that room for training and on-duty time."

McGarry is one of four females who live in the new facility and one of three



Four firetruck bays display the shiny new equipment at the College Park station.

new members to the program. She notes that the students are very close to one another and that it could almost be compared to MTV's "The Real World"—with rubber boots.

"We have our own family here," McGarry says. "I feel like they're all my big brothers. I try to go out somewhere and my big brothers are watching every step I take, so I can't really go out and have too much fun."

Cimino, who has been the chief at two other stations in the state, says that dealing with nearly all students is a unique experience.

"I have clothes that are older than these kids," he jokes. "But without trying to sound arrogant, the students who come here are the cream of the crop."

There is no direct connection between the campus and the station with regard to finances or training, but, as Cimino puts it "We're just big supporters of each other."

The current facility is a marked improvement. In addition to housing 24

students, it has a new weight room, and requires just four students to share a bathroom.

The station, which cost an estimated \$4.2 million, serves the Greenbelt, Adelphi and Beltsville areas in addition to the campus and College Park.

Such improvements are more than welcome to the students, who go to class full time in addition to the training and responsibilities required in the program.

An estimated 30-40 students are currently in the program, which requires between 50-100 hours of firefighting and safety training, and most people sign up

for an additional 110 hours of emergency medical training to be qualified to assist in an ambulance, Holdredge says.

"We don't ever stop," Holdredge says. "There's continual training."

With the time commitment involved for the students (Holdredge says he went on more than 800 calls last year), the program can carry the responsibilities of a second major—or more.

"You have to be careful not to let your grades slip," Holdredge says. "[But] I've gotten to see parts of the school that not too many students get to see. I've had an opportunity to explore almost the entire campus."

"I've seen kids being born, and folks dying," says Holdredge. "[The program] gives you a great insight into being part of society."

—CHAD CAPELLMAN



The recently-opened, \$4.2 million fire station, located on Route 1, serves the Greenbelt, Adelphi and Beltsville areas in addition to the campus and College Park.

Human Relations Office Helps Ensure a Friendly Environment



Gladys Brown

When people try to accomplish something together, usually some conflicts arise. When 32,000 students and nearly 8,000 faculty and staff from all sorts of backgrounds join a university in pursuit of their collective and individual goals, the atmosphere could be extremely hostile.

At the University of Maryland most of those 40,000 personalities seem to get along fine. Just over 130 members of the university community contact the Office of Human Relations Programs each year with complaints.

Their concerns, however, are serious. Many complaints involve sexual harassment, while others concern discrimination based on race, national origin, sexual orientation, religion or other personal characteristics.

Lack of knowledge about grievance procedures may be keeping the number of complaints artificially low. Though an average of 65 workshops are conducted through the office's sexual harassment prevention program, a recent campus survey indicated that a larger percentage of faculty and staff still are unaware of the campus sexual harassment policy and complaint channels.

"If faculty, staff or students think they are treated unfairly they should come to the office of human relations," says Gladys Brown, director of the office. "If they are unsure what the problem is or where to go they should

come to us. We help them identify the issues and discuss their options."

Besides sexual harassment, university employees sometimes experience discrimination problems with promotion or job benefits, while students usually complain about grades or hostile remarks in the classroom.

Brown says her office's response depends upon what the complainant wants to happen. In some cases, people only want advice on how to handle a situation, or they want to know what their rights are.

"About one-third of the caseload involves supervisors who are experiencing these situations in their unit and want advice on what to do about it," says Brown. In these cases, the office works with the unit until the problem is resolved. The actions may include policy changes, awareness training or mediation for employees.

Formal complaints require a written charge of discrimination or sexual harassment and demand a complete investigation with witnesses, a report and sometimes third-party intervention. More often, complainants choose to

charge the alleged offender. When someone complains informally both parties are usually brought together to reach an agreement through mediation.

According to Cheryl Moat, campus compliance officer in charge of handling grievances, many complainants fear such confrontations. Often the alleged offenders have control over their grades, graduate school applications or promotions. "Most people are worried about retaliation," she says. "But people are careful in handling someone who has complained

about them before." She also stresses that the entire grievance process remains confidential.

Brown says it doesn't hurt to come to the office and talk about one's concerns. After that, people can still decide whether to initiate the next step, but they should not be afraid to do so.

"Our procedures are usually effective because we're trying to employ a win-win situation," says Brown. She says the complainants often do not want the offenders to be penalized. They just want them to stop the offensive behavior.

state's increased use of information technology resources of the University of Maryland. "The governor should be a leader in using information technology," says Silverstein. "We suggested [the governor] have electronic town meetings and we also looked at making the state procurement process—particularly with regard to purchasing computers—more efficient."

The goal of all the policy groups in making recommendations and developing plans, says Silverstein, was to save money and eliminate the need to generate more revenue.

—JENNIFER HAWES

ior or to apologize.

Upon request, the office of human relations also holds workshops for individual units to promote awareness of discrimination or sexual harassment. Brown thinks such events have a lasting affect on participants. "Most individuals do not willingly and gleefully discriminate to cause emotional and professional harm," she says. "When they are made aware of their actions they are willing to change their conduct. Sometimes a reminder of the policies is enough to get them back on the right track."

Complaints to the office of human relations can affect official university policies. According to Brown, sexual orientation was included in the school's human relations code as a result of the number of harassment complaints by homosexual students and employees.

The office also was responsible for the development of a computer harassment policy. And complaints by classified staff who felt they are not getting benefits such as professional development opportunities resulted in the creation of a classified employee council.

—AXEL KOLLING

Career Exploration and Opportunities Lead to Increased Student Volunteerism

The number of college students who volunteer is declining. But a University of Maryland psychology professor may be able to get those numbers up.

Karen O'Brien and her colleagues, William E. Sedlacek and Jonathan J. Kandell of the Counseling Center, randomly sampled 932 students who were beginning their first year and identified two personality types most willing to volunteer. They are: social personality types, who are friendly, helpful, idealistic, outgoing and understanding; and conventional personality types, who are well organized, accurate, methodical and conscientious.

O'Brien found that some personality types expressed very little interest in volunteering and suggests that descriptions of volunteer opportunities may play a role in attracting certain students. For instance, she discovered social types to be most interested in volunteering for a crisis hotline or counseling center while conventional types were most interested in volunteering at a health center.

To increase the number of volunteers O'Brien advises campus organizations to reevaluate their recruitment strategies and expand on their description of opportunities. "Giving an accu-

rate and detailed description of the tasks involved and expanding the number and types of tasks available to student volunteers will attract more diverse types of volunteers," says O'Brien, who notes that increasing volunteerism will benefit the students as much as the university.

"Many students believe that finding a career is the main reason to attend college," says O'Brien. "What they don't realize is that volunteering is an ideal way to explore career interests."

"Counselors and administrators should promote volunteering as an effective career exploration tool," says O'Brien, who believes it is the responsibility of student affairs administrators to provide more volunteer opportunities and appeal to a wider range of students to assist many types of individuals in the career exploration process.

In the study, published in the National Association of Student Personnel Journal, O'Brien also found that women are more willing to volunteer with campus organizations than men and that remuneration is not a factor in college students' decisions to volunteer for campus organizations in their freshman year.

Recycle, Reuse and Reduce

Polysaurus Six and 40 "muggers" helped promote No Trash Day last semester to educate people about polystyrene and recycling.

On Dec. 7, 1994, the Environmental Conservation Organization (ECO) and the Maryland Public Interest Research Group (MaryPIRG) enlisted the help of a "trashy" 8 by 10 foot dinosaur to stomp out polystyrene use. And in South Campus Dining Hall that day, 40 participants carried reusable plastic mugs to remind others of the alternative to the polystyrene cups sold there.

An idea originally used by the New Jersey Public Interest Group to convince campuses in that state to ban outdated, unrecyclable polystyrene, Polysaurus Six was built by ECO workers out of wire mesh and used polystyrene products that had accumulated in ECO's dumpsters.

"ECO has always had a plan to do something about polystyrene because we get so much of it down at the recycling center and it doesn't get recycled," says Hye Yeong Kwon, a senior biology major and ECO's administrative director of recycling. When MaryPIRG

approached ECO with the idea for Polysaurus Six, they were enthusiastic about building it.

Junior electrical engineering major Steve Perez, MaryPIRG's green campus project director, says that MaryPIRG will be instituting a mug program this semester, where students can bring mugs to the dining hall instead of using something they'll have to throw away. More than 60 mugs were distributed to students on No Trash Day and Perez is encouraged by the students' enthusiasm about using them.

MaryPIRG's efforts, says Perez, are all toward making the campus "more environmentally friendly." This semester, they are working to get white paper recycling in the dorms and looking into pesticide use on campus.

When asked what people can do to help the efforts of MaryPIRG and ECO, who have been working together for the past several semesters, Perez says, "The best thing people can do is watch what they're doing and not generate so much trash. Use something reusable instead of something you're going to throw away."

Transition Teams

continued from page 3
department of economics, was a member of the state budget review group.

Norm Silverstein, director of the Joint Media Project at Maryland, was asked to serve on the efficiency and effectiveness in government team. He describes his role as a good experience. The group looked at workforce efficiency and ways to increase the use of information technology, he says. "The orientation is toward reinventing government and the state having a customer approach," Silverstein adds.

Among the many recommendations from Silverstein's committee was the

Take note

Dance to the Music

The department of dance announces the spring session of the Creative Dance Lab. Low cost classes in creative movement and modern dance will be offered. High school students will be given performance opportunities. Saturday classes begin Jan. 21. A six-week workshop for parents will begin on Feb. 4. For more information call 405-7039.

Moon Shaped Differently Than Previously Thought

Global topographic and gravitational data collected by the Clementine spacecraft reveal a new picture of the shape and internal structure of the moon, according to an article titled "The Shape and Internal Structure of the Moon from the Clementine Mission" published in the Dec. 16, 1994 issue of Science.

Using a laser ranging device and an S-band microwave transponder from which topographic and gravitation information were collected for most of the moon, a team of scientists from the University of Maryland, NASA and Johns Hopkins University were able to construct the first reliable global characterization of surface heights for the moon. According to team member Frank Lemoine from Maryland and NASA, the researchers found that the moon exhibits a 16-kilometer range of elevation, with the greatest topographic excursions occurring on the lunar far side. This increased range is 30 percent greater than previous reports based on Apollo laser and Earth-based measurements, and is due entirely to the improved coverage.

By combining the gravitational and topographic information obtained from Clementine, scientists are able to estimate the crustal thickness of the Moon. "We found that there are considerable variations in the thickness of the crust over different regions of the Moon," said Lemoine. The thickest crust, 95 km, occurs near the Korolev Basin. However, many impact basins on the near side and far side have much thinner crusts.

"Another interesting observation made as a result of the Clementine mission," said Lemoine, "is that although some basins have pronounced topography, they have modest or small gravitational signatures. This...indicates that since their formation, the material in the crust and upper mantle has readjusted to try to attain more equilibrium. Other basins have both a pronounced gravitational and topographic signature, indicating that the crust must have been more rigid at the time of its formations."

Opening Doors for Health Care Reform

In an effort to expedite health care reform, the Robert Wood Johnson Foundation has approved a grant of \$276,544 to the university to support the 25-month evaluation of Opening Doors: A Program to Reduce Sociocultural Barriers to Health Care.

Opening Doors, sponsored jointly by the foundation and the Henry J. Kaiser Family Foundation, is intended to fund projects designed to help increase



Violet Falkum, a World War II WAVE, spins the propeller of a training jet in 1943.

access to maternal, child and reproductive health services for diverse ethnic and racial groups. There are two types of projects designed to work in conjunction with each other: first, research projects would increase knowledge about the nature and extent of barriers to health care; second, demonstration projects would develop and test innovative approaches to overcoming those barriers.

With programs like Opening Doors, the implicit goal is to assist ethnic minorities in developing projects that provide the best health care for their communities.

Under the direction of Suzanne Randolph, assistant professor of family studies in the College of Health and Human Performance, the evaluation will provide technical assistance to the foundation's grantees. The purpose of evaluation is to build a project's capacity for improving health care conditions.

Women in the Military

The vital contributions made by the approximately 400,000 women who volunteered to serve in the U.S. armed forces will be explored in "A Woman's War Too: U.S. Women in the Military in World War II," a National Archives forum to be held on March 3 and 4, at the National Archives at College Park.

Generally unknown is the crucial role played by U.S. women in the Allied war effort. In this two-day conference, eminent social and military historians, veterans and leading figures in women's and military studies will focus on such topics as women in the services both at home and abroad, the realities of service life and the effect of World War II on U.S. women and the military.

Sheila Widnall, secretary of the air force and the first female service secretary, will be the keynote speaker. Participants from academia, the active military, veterans and the archival and library communities will discuss these topics that previously received inadequate historical scrutiny.

"A Woman's War Too" is open to the public and the registration fee is \$100;

\$25 for students. A special fee of \$40 has been set for women veterans of World War II in recognition of their service.

For additional information, call the National Archives Public Affairs staff at (202) 501-5525.

Money out of Thin Air

Economics professor and game theorist Peter Cramton, hired by the Federal Communications Commission (FCC) to advise it on the current auction of broadband radio spectrum for personal communication services (PCS), describes the auctions as a "huge success—an excellent example of bringing economic theory to bear on practical problems of allocating scarce resources."

In his paper, "Money Out of Thin Air: The Nationwide Narrowband PCS Auction," which will be published in a forthcoming issue of the Journal of Economics and Management Strategy, Cramton also suggests that the auctions "promise to revolutionize the way the government allocates scarce public resources." In fact, he and other economists believe that the government should use similar auctions in other applications, such as airport landing rights, pollution rights, mineral rights and hazardous waste.

Staff Ombuds Officer Sought

The office of the president seeks to appoint a staff ombuds officer for a one-year appointment. The appointee will serve as a neutral and impartial officer providing confidential and informal assistance to classified and associate staff employees in resolving work related issues. He or she must be non-partisan and impartial in mediating complaints and disputes.

The ombuds officer will be expected to mediate complaints and concerns in an effort to seek resolutions or to make appropriate referrals; explain campus policies and procedures; consult with university personnel to assure the timely resolution of issues; refer staff to other appropriate resources on campus

and in the community; maintain liaison relationships with other university offices; offer recommendations to appropriate university personnel concerning policies and procedures; and manage the budget and administrative duties of the office.

The successful candidate should possess a master's degree (or equivalent) in labor relations, employee relations or other related degree, with a minimum of 10 years experience at the college or university level; a minimum of five years experience and demonstrated success in mediation, conflict resolution and counseling within a higher education setting; and proven ability to maintain neutrality and confidentiality while acting independently. Specific experience in working effectively with faculty and staff at all levels of responsibility and from diverse populations is required.

Nominations and applications should be sent, with a resume, to Paul Taylor, assistant director, engineering architecture services, Room 4101 Chesapeake Building.

Because this is a one-year appointment, the cooperation of the unit head will be required.

Spring into Art

Non-credit art and leisure courses begin at The Art Center the week of Feb. 6. Courses are designed for children, teens, adults and senior citizens. Areas of instruction include painting, drawing, printmaking, photography, pottery, ballroom dancing, financial planning and more. A discount is offered for campus affiliation and early registrations. For more information call 314-ARTS.

Students Get Running Start

High school juniors and seniors who want to get a running start on college can sharpen their study skills and learn about campus resources through the College-Bound Program offered by the Learning Assistance Service of the Counseling Center. The program features individualized work and group sessions on textbook reading, writing, time management exam skills, note-taking and other skills for academic success.

Special components of the program include counselor appointments, extended use of lab materials and visits to a lecture class and Hornbake Library. In addition, participants are given the opportunity to gain information about college life and majors from a college student panel.

Group sessions begin on Monday, Feb. 20 and will be held Mondays, 4:30 to 6:30 p.m., through May 22. The fee for the program is \$225.

For more information, call 314-7693.

Outstanding Woman Award

The President's Commission on Women's Affairs is seeking nominations for the 1995 Outstanding Woman Award. The commission is anxious to have as many people as possible on campus respond. For nomination forms or more information, contact Margaret Bridwell at 314-8090, or e-mail June Slack at jslack@umdacc.umd.edu. The deadline for submissions is Feb. 15 and the winner will be announced on March 1, the first day of women's history month.

Concert Society at Maryland Spring Schedule

Unless noted otherwise, all concerts take place at the University of Maryland Adult Education & Conference Center. Detailed information regarding each concert will be announced in future issues of *Outlook*.

All concert tickets are 10 percent off for faculty, staff and Alumni Association members. Student tickets are always \$9. For further ticket information, call 403-4240.

Saturday, January 21, 8 p.m.
Homer Ulrich Recital Hall
Kim Heindel
lautenwerk & harpsichord

Saturday, February 4, 8 p.m.
New York New Music Ensemble

Sunday, February 5, 3 p.m.
Awadagin Pratt, piano

Wednesday, February 15, 8 p.m.
Freiburg Baroque Orchestra

Saturday, February 18, 8 p.m.
Caribbean Spirits
African Rhythms & Dances from Cuba
Orlando "Puntilla" Rios & Nueva Generacion

Saturday, February 25, 8 p.m.
Chamber Music Society of Lincoln Center
Guest Artist, Elmar Oliveira, violin

Saturday, March 4, 8 p.m.
Cleveland Quartet
Guest Artist, Giora Feidman, clarinet

Sunday, March 19, 3 p.m.
Aldo Abreu, recorders
Ulrich Recital Hall

Saturday, April 8, 8 p.m.
Gospel Voices: Kings of Harmony
Gospel Brass Band

Sunday, April 9, 3 p.m.
Bachmann-Klibonoff-Fridman Trio

Saturday, April 22, 8 p.m.
National Presbyterian Church
Anonymous 4

Wednesday, April 26, 8 p.m.
Chamber Music Society of Lincoln Center

Saturday, April 29, 8 p.m.
Takacs Quartet

Spring Semester1995 Academic Calendar

First Day of Classes	January 18
Spring Recess	March 20-24
Last Day of Classes	May 9
Final Exams	May 11-18
Commencement	May 19

College Park Senate Spring 1995 Meeting Schedule

0200 Skinner Building, 3:15 p.m.

Monday, February 6
Thursday, March 9
Thursday, April 6
Thursday, May 4
Monday, May 8

Monday Night Music Series

Ever since organist Sue Dorcey and trumpet player Jon Sumida performed for the first edition of the Monday Night Music Series last September, music lovers have been enjoying two evenings of music each month at Memorial Chapel.

The series, sponsored by Visitor Services, continues this spring with programs held at 7:15 p.m. on the second and fourth Mondays of each month. Admission and parking are free. For more information call 314-9866.

January 23
Organ Performance by Julie Vidrick Brown
Selections from Bach, Mendelssohn & Vieme

February 13
University of Maryland "Treble Makers" and a guest group
Women student a cappella singers

February 27
Rose Bello, Mezzo Soprano
Music by African-American Composers

March 13
Belhaven College (Jackson, Ms.)
Concert Choir and Capital Brass
(After their Sunday performance at National Cathedral.)

March 27
Parkdale High School Handbell Choir
From Riverdale/Lisa Delity, Director

April 10
Baritone Arlen Clarke, Soprano
Jan Bruening, Pianist Angela Willoughby Patton
"Songs of Travel" by Vaughan Williams. Also, music by Strauss, Ravel and others.

April 24
Mu Phi Epsilon Fraternity Concert
Featuring a variety of instruments played by undergraduate and graduate students.

May 8
Organ Performance by Rosemary Walters

Sports Connection

Dates and opponents for the winter/spring sports are listed below. For game times, call the phone number listed with each sport. For other information, please call the sports information office at 345-4764,

Men's Basketball

Jan. 22	at N.C. State
Jan. 25	at Clemson
Jan. 28	Duke
Feb. 1	Virginia
Feb. 4	at Georgia Tech
Feb. 7	North Carolina
Feb. 11	Florida State
Feb. 15	at Wake Forest
Feb. 19	Cincinnati (at San Antonio, Tx.)
Feb. 22	N.C. State
Feb. 25	Clemson
Mar. 1	at Duke
Mar. 5	at Virginia
Mar. 9-12	at ACC Tournament (Greensboro, N.C.)

Women's Basketball (314-1747)

Jan. 18	Iona
Jan. 22	at North Carolina
Jan. 25	Virginia
Jan. 28	N.C. State
Feb. 1	at Wake Forest
Feb. 5	Georgia Tech
Feb. 7	at Duke
Feb. 11	at Clemson
Feb. 13	Wake Forest
Feb. 16	Florida State
Feb. 21	North Carolina
Feb. 26	at Virginia
Mar. 2-5	ACC Tournament (Rock Hill, S.C.)

Women's Gymnastics (314-7007)

Jan. 27	at George Washington Invitational
Feb. 4	at George Washington w/Towson
Feb. 12	at North Carolina
Feb. 18	at Towson Invitational
Feb. 23	Winona College
Feb. 25	Temple
Mar. 4	at N.C. State/Bubble Invitational
Mar. 8	George Washington
Mar. 12	James Madison and North Carolina
Mar. 18	Cornell
Mar. 24	at N.C. State

Men's and Women's Swimming and Diving (314-7030)

Jan. 20	at George Washington
Jan. 28	at Johns Hopkins
Feb. 4	Virginia
Feb. 16-18	Women's ACCs at North Carolina
Feb. 23-25	Men's ACCs at North Carolina
Mar. TBA	Tar Heel Invitational at North Carolina
Mar. 14-18	Women's NCAAAs at Austin, Tx.
Mar. 16-18	USS Junior Nationals East at Buffalo, N.Y.
Mar. 21-25	USS Junior Nationals West at Midland Tx.
Mar. 23-25	Men's NCAAAs at Indianapolis, In.

Men's and Women's Indoor Track and Field (314-7457)

Jan. 22	New England Invitational
Jan. 28	Navy (tri-meet)
Feb. 4	Kent State Invitational
Feb. 5	Mobil 1 at George Mason
Feb. 10-11	Husker Invit. at Nebraska
Feb. 24-25	ACCs
Mar. 4-5	ECACs at Syracuse, N.Y. (Women)
Mar. 4-5	IC4As at Princeton (Men)
Mar. 10-11	NCAAAs Indianapolis, In.

Wrestling (314-7134)

Jan. 21	at Clemson
Jan. 22	at Tenn. Chattanooga
Jan. 27	Old Dominion
Jan. 29	N.C. State
Feb. 4	at North Carolina
Feb. 9	Navy and Howard
Feb. 11	Virginia Tech
Feb. 15	Virginia
Feb. 18	at Duke
Feb. 22	at American and Coppin
Mar. 3-4	ACCs at College Park
Mar. 16-18	NCAAAs at Iowa

OUTLOOK Schedule January - July 1995

Issue Number	Publication Date	Deadline for Submission
16	Tues., Jan. 17	Thurs., Jan. 5
17	Mon., Jan. 23	Thurs., Jan. 12
18	Mon., Jan. 30	Thurs., Jan. 19
19	Mon., Feb. 6	Thurs., Jan. 26
20	Mon., Feb. 13	Thurs., Feb. 2
21	Mon., Feb. 20	Thurs., Feb. 9
22	Mon., Feb. 27	Thurs., Feb. 16
23	Mon., Mar. 6	Thurs., Feb. 23
24	Mon., Mar. 13	Thurs., Mar. 2
SPRING BREAK		
25	Mon., Mar. 27	Wed., Mar. 15
26	Mon., April 3	Wed., Mar. 22
27	Mon., April 10	Thurs., Mar. 30
28	Mon., April 17	Thurs., April 6
29	Mon., April 24	Thurs., April 13
30	Mon., May 1	Thurs., April 20
31	Mon., May 8	Thurs., April 27
32	Mon., May 15	Thurs., May 4
33	Mon., June 19	Thurs., June 8
34	Mon., July 17	Thurs., July 6